Natalia Jura

List of Publications by Year in Descending Order

51 papers	4,886 citations	22 h-index	58 g-index
58 ext. papers	6,615 ext. citations	15.7 avg, IF	5.27 L-index

#	Paper	IF	Citations
51	Targetable HER3 functions driving tumorigenic signaling in HER2-amplified cancers.. *Cell Reports*, **2022**, 38, 110291	10.6	2
50	Extensive conformational and physical plasticity protects HER2-HER3 tumorigenic signaling.. *Cell Reports*, **2022**, 38, 110285	10.6	1
49	Efficient expression, purification, and visualization by cryo-EM of unliganded near full-length HER3.. *Methods in Enzymology*, **2022**, 667, 611-632	1.7	
48	Piquing our interest: Insights into the role of PEAK3 in signaling and disease.. *Science Signaling*, **2022**, 15, eabm9396	8.8	0
47	An effective strategy for ligand-mediated pulldown of the HER2/HER3/NRG1β heterocomplex and cryo-EM structure determination at low sample concentrations.. *Methods in Enzymology*, **2022**, 667, 633-662	1.7	
46	CNPY4 inhibits the Hedgehog pathway by modulating membrane sterol lipids.. *Nature Communications*, **2022**, 13, 2407	17.4	1
45	Structures of the HER2-HER3-NRG1β complex reveal a dynamic dimer interface. *Nature*, **2021**, 600, 339-343	50.4	8
44	Human ACE2 receptor polymorphisms and altered susceptibility to SARS-CoV-2. *Communications Biology*, **2021**, 4, 475	6.7	43
43	A survey of the kinome pharmacopeia reveals multiple scaffolds and targets for the development of novel anthelmintics. *Scientific Reports*, **2021**, 11, 9161	4.9	1
42	State of the structure address on MET receptor activation by HGF. *Biochemical Society Transactions*, **2021**, 49, 645-661	5.1	1
41	Fragment binding to the Nsp3 macrodomain of SARS-CoV-2 identified through crystallographic screening and computational docking. *Science Advances*, **2021**, 7,	14.3	41
40	CryoEM and AI reveal a structure of SARS-CoV-2 Nsp2, a multifunctional protein involved in key host processes **2021**,		4
39	CryoEM and AI reveal a structure of SARS-CoV-2 Nsp2, a multifunctional protein involved in key host processes **2021**,		10
38	Evolution of enhanced innate immune evasion by the SARS-CoV-2 B.1.1.7 UK variant **2021**,		60
37	Expression and purification of active human kinases using Pichia pastoris as a general-purpose host. *Protein Expression and Purification*, **2021**, 179, 105780	2	1
36	Structural basis for ALK2/BMPR2 receptor complex signaling through kinase domain oligomerization. *Nature Communications*, **2021**, 12, 4950	17.4	1
35	A protein network map of head and neck cancer reveals PIK3CA mutant drug sensitivity. *Science*, **2021**, 374, eabf2911	33.3	6

34	Evolution of enhanced innate immune evasion by SARS-CoV-2.. *Nature*, **2021**,	50.4	30
33	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. *Nature*, **2020**, 583, 459-468	50.4	2142
32	Receptor tyrosine kinase activation: From the ligand perspective. *Current Opinion in Cell Biology*, **2020**, 63, 174-185	9	34
31	A SARS-CoV-2-Human Protein-Protein Interaction Map Reveals Drug Targets and Potential Drug-Repurposing **2020**,		133
30	Fragment Binding to the Nsp3 Macrodomain of SARS-CoV-2 Identified Through Crystallographic Screening and Computational Docking **2020**,		6
29	Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. *Science*, **2020**, 370,	33.3	261
28	An International Multicenter Evaluation of Inheritance Patterns, Arrhythmic Risks, and Underlying Mechanisms of -Catecholaminergic Polymorphic Ventricular Tachycardia. *Circulation*, **2020**, 142, 932-947	16.7	12
27	The structure of a calsequestrin filament reveals mechanisms of familial arrhythmia. *Nature Structural and Molecular Biology*, **2020**, 27, 1142-1151	17.6	5
26	The pseudokinase TRIB1 toggles an intramolecular switch to regulate COP1 nuclear export. *EMBO Journal*, **2019**, 38,	13	15
25	Functional role of PGAM5 multimeric assemblies and their polymerization into filaments. *Nature Communications*, **2019**, 10, 531	17.4	16
24	More than the sum of the parts: Toward full-length receptor tyrosine kinase structures. *IUBMB Life*, **2019**, 71, 706-720	4.7	14
23	Prospects for pharmacological targeting of pseudokinases. *Nature Reviews Drug Discovery*, **2019**, 18, 501-526	64.1	51
22	PEAK3/C19orf35 pseudokinase, a new NFK3 kinase family member, inhibits CrkII through dimerization. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 15495-15504	11.5	11
21	The crystal structure of the protein kinase HIPK2 reveals a unique architecture of its CMGC-insert region. *Journal of Biological Chemistry*, **2019**, 294, 13545-13559	5.4	13
20	Overexpression-mediated activation of MET in the Golgi promotes HER3/ERBB3 phosphorylation. *Oncogene*, **2019**, 38, 1936-1950	9.2	16
19	Feedback regulation of RTK signaling in development. *Developmental Biology*, **2019**, 447, 71-89	3.1	34
18	Phosphorylated EGFR Dimers Are Not Sufficient to Activate Ras. *Cell Reports*, **2018**, 22, 2593-2600	10.6	38
17	Regulation of Kinase Activity in the Caenorhabditis elegans EGF Receptor, LET-23. *Structure*, **2018**, 26, 270-281.e4	5.2	4

16	Activating HER3 mutations in breast cancer. *Oncotarget*, **2018**, 9, 27773-27788	3.3	16
15	Actionable Activating Oncogenic ERBB2/HER2 Transmembrane and Juxtamembrane Domain Mutations. *Cancer Cell*, **2018**, 34, 792-806.e5	24.3	55
14	EGF and NRG induce phosphorylation of HER3/ERBB3 by EGFR using distinct oligomeric mechanisms. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E2836-E2845	11.5	42
13	Switching on BTK-One Domain at a Time. *Structure*, **2017**, 25, 1469-1470	5.2	
12	Structural Basis for the Non-catalytic Functions of Protein Kinases. *Structure*, **2016**, 24, 7-24	5.2	89
11	Analysis of the Role of the C-Terminal Tail in the Regulation of the Epidermal Growth Factor Receptor. *Molecular and Cellular Biology*, **2015**, 35, 3083-102	4.8	47
10	Structural analysis of the EGFR/HER3 heterodimer reveals the molecular basis for activating HER3 mutations. *Science Signaling*, **2014**, 7, ra114	8.8	79
9	A robust methodology to subclassify pseudokinases based on their nucleotide-binding properties. *Biochemical Journal*, **2014**, 457, 323-34	3.8	192
8	EGFR lung cancer mutants get specialized. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 15169-70	11.5	10
7	Catalytic control in the EGF receptor and its connection to general kinase regulatory mechanisms. *Molecular Cell*, **2011**, 42, 9-22	17.6	239
6	Structural analysis of the catalytically inactive kinase domain of the human EGF receptor 3. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 21608-13	11.5	241
5	Mechanism for activation of the EGF receptor catalytic domain by the juxtamembrane segment. *Cell*, **2009**, 137, 1293-307	56.2	432
4	Inhibition of the EGF receptor by binding of MIG6 to an activating kinase domain interface. *Nature*, **2007**, 450, 741-4	50.4	275
3	hSpry2 is targeted to the ubiquitin-dependent proteasome pathway by c-Cbl. *Current Biology*, **2003**, 13, 308-14	6.3	128
2	The structure of a calsequestrin filament reveals mechanisms of familial arrhythmia		2
1	Structures of the active HER2/HER3 receptor complex reveal dynamics at the dimerization interface induced by binding of a single ligand		1